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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,506	01/10/2006	Matthias Ernst	052703	4654

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WASHINGTON, DC 20036

EXAMINER
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DOAN, TRANG T

ART UNIT	PAPER NUMBER
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2131

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08/07/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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**Office Action Summary**

Application No.

10/539,506

Applicant(s)

ERNST ET AL.

Examiner

Trang Doan

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) ☒ Responsive to communication(s) filed on 18 May 2007.

2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) ☒ Claim(s) 1-23 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.

6) ☒ Claim(s) 1-23 is/are rejected.

7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.

8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) ☐ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on 17 June 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) ☒ All b) ☐ Some \* c) ☐ None of:

1. ☒ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date \_\_\_\_\_.

4) ☐ Interview Summary (PTO-413)

Paper No(s)/Mail Date. \_\_\_\_\_.

5) ☐ Notice of Informal Patent Application

6) ☐ Other: \_\_\_\_\_.

### **DETAILED ACTION**

1. This action is in response to the amendment filed on 05/18/2007.
2. Claims 1, 3, 8-9, 11, 14-16 and 18 have been amended.
3. Claims 1-23 are pending for consideration.

### ***Response to Arguments***

4. The examiner has withdrawn the Claim Objections and the rejections under 35 USC 112, 2<sup>nd</sup> paragraph.
5. Applicant's arguments filed 05/18/2007 have been fully considered but they are not persuasive.

Regarding claim 1, the applicant argues that Nakajima does not disclose connection to the first network is achieved via the second network. The examiner respectfully disagrees. Nakajima discloses connection to the first network (see figure 1: Internet (ref. 104) is equivalent to the first network) is achieved via the second network (see figure 1: mobile communication network is equivalent to the second network) (see figure 1, paragraphs 0027 and 0045: Service gateway 102 manages IP addresses of service terminal 101).

Regarding claim 1, the applicant argues that Nakajima does not disclose a combination of the unique connection identifier of the second network, via which the connection is established, and the unique identifier of the first network are stored in an authentication unit. The examiner respectfully disagrees. Nakajima discloses a combination of the unique connection identifier of the second network, via which the

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connection is established, and the unique identifier of the first network are stored in an authentication unit (see figure 2, paragraphs 0017, 0033 and 0039: authentication unit in figure 2, ref. 210, 210D).

Regarding claim 1, the applicant argues that Nakajima does not disclose the provider of the protected area requests the authentication unit to determine the unique connection identifier of the second network using the unique identifier of the first network, when the terminal would like access to the protected area. The examiner respectfully disagrees. Nakajima discloses the provider of the protected area requests the authentication unit to determine the unique connection identifier of the second network (i.e., telephone number) using the unique identifier of the first network, when the terminal would like access to the protected area (see figure 1, ref. 103, paragraphs 0033 and 0038).

Regarding claim 1, the applicant argues that Nakajima does not disclose authenticating the unique connection identifier of the second network and/or communicating the unique connection identifier of the second network to the provider of the protected area by means of the authentication unit is performed. The examiner respectfully disagrees. Nakajima discloses authenticating the unique connection identifier of the second network and/or communicating the unique connection identifier (i.e., telephone number) of the second network to the provider of the protected area by means of the authentication unit is performed (see figure 1, ref. 103, paragraph 0033: "authentication unit 210, upon receiving a service request from mobile terminal 105, performs a user authentication process with respect to mobile terminal 105...").

Regarding claim 1, the applicant argues that Nakajima does not disclose whether an access right for the protected are exists for the unique connection identifier of the second network. The examiner respectfully disagrees. Nakajima discloses an access right for the protected are exists for the unique connection identifier of the second network (see paragraph 0038).

Regarding claim 16, the applicant argues that Nakajima does not disclose automatic deletion of data from the authentication unit, if a connection to at least one of the networks is terminated. The examiner respectfully disagrees. Nakajima discloses automatic deletion of data from the authentication unit, if a connection to at least one of the networks is terminated (see paragraph 0042). The examiner notes it is well known in security art to delete data for each communication session when the communication is terminated to increase data security in dynamic network accesses.

The examiner is not trying to teach the invention but is merely trying to interpret the claim language in its broadest and reasonable meaning. The examiner will not interpret to read narrowly the claim language to read exactly from the specification, but will interpret the claim language in the broadest reasonable interpretation in view of the specification. Therefore, the examiner asserts that cited prior art does teach or suggest the subject matter broadly recited in independent Claims 1, 16, and in subsequent dependent Claims. Accordingly, rejections for claims 1-23 are respectfully maintained.

***Claim Rejections - 35 USC § 102***

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6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by

Nakajima (US 2003/0169714) (hereinafter Nakajima).

8. Regarding claim 1, Nakajima teaches dynamic or static assignment of a unique identifier of the first network for a terminal, during or prior to the latter's connection to the first network by means of the second network (Nakajima: see figures 2-3 and paragraph [0036]: when connection is established, service terminal send an ID and an IP address to mobile terminal); storage of a combination of at least the unique connection identifier of the second network by means of which the connection was made, and the unique identifier of the first network in an authentication unit (Nakajima: see figure 2 item 210 and paragraphs [0037-0038]: subscriber database (210D) stores identification information (i.e., identification code and telephone number) for the mobile terminals); a provider of the protected area requesting the authentication unit to determine the unique connection identifier of the second network using the unique identifier of the first network when the terminal would like access to the protected area (Nakajima: paragraphs [0038-0039]); authenticating the unique connection identifier of the second network and/or communicating the unique identifier of the second network to the

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provider of the protected area by means of the authentication unit (Nakajima: see paragraphs [0038-0039]); and checking whether an access right for the protected area exists for the unique connection identifier of the second network (Nakajima: paragraphs [0039-0040 and 0045-0046]).

9. Regarding claim 2, Nakajima teaches wherein the combination stored in the current authentication unit contains further data in addition (Nakajima: paragraph [0012]).

10. Regarding claim 3, Nakajima teaches wherein the additional data has at least one of the following: the dial-in number into the first network, a user name (login) and a password (Nakajima: see Abstract section and paragraph [0046]).

11. Regarding claim 4, Nakajima teaches wherein the authentication unit is only run temporarily (Nakajima: paragraphs [0042-0043]).

12. Regarding claim 5, Nakajima teaches wherein the combination of data is deleted from the authentication unit as soon as the terminal ends its connection with one of the two networks (Nakajima: paragraphs [0042-0043]).

13. Regarding claim 6, Nakajima teaches wherein the unique identifier of the second network is a call-up number (Nakajima: see Abstract section).

14. Regarding claim 7, Nakajima teaches wherein the protected area includes the provision of an online individual connection identification (Nakajima: paragraph [0055]).

15. Regarding claim 8, Nakajima teaches wherein an individual connection identification takes place automatically for the unique connection identifier of the second network (Nakajima: paragraph [0037]).

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16. Regarding claim 9, Nakajima teaches wherein, before release of an individual connection identification; a further entry on the terminal is necessary (Nakajima: see Abstract section and paragraph [0041]).
17. Regarding claim 10, Nakajima teaches wherein the further entry includes the entry of an invoice number and/or a customer number and/or a PIN (Nakajima: see Abstract section and paragraph [0041]).
18. Regarding claim 11, Nakajima teaches wherein only authorized services have access to the authentication unit (Nakajima: paragraphs [0038-0039]).
19. Regarding claim 12, Nakajima teaches wherein the protected area includes at least one of the following services: provision of contents, electronic trade (e-commerce), payment or settlement services and authorized services (Nakajima: paragraph [0055]).
20. Regarding claim 13, Nakajima teaches wherein with a payment service, the costs arising are automatically invoiced by means of the unique connection identifier of the second network (Nakajima: paragraph [0041]).
21. Regarding claim 14, Nakajima teaches wherein further data are automatically called up from the terminal and/or further procedural steps are initiated in the protected area using the unique connection identifier of the second network (Nakajima: see Abstract section).
22. Regarding claim 15, Nakajima teaches wherein further personalization of the terminal takes place by entering a PIN (Nakajima: paragraph [0032]).
23. Regarding claim 16, this claim has limitations that is similar to those of claims 1 and 5, thus it is rejected with the same rationale applied against claims 1 and 5 above.



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24. Regarding claim 17, Nakajima teaches wherein at least one of the identifiers is an IP number and/or a unique connection identifier of a terminal (Nakajima: see Abstract section).

25. Regarding claim 18, Nakajima teaches wherein it is checked whether the enquiry originates from an authorized place or from an authorized service (Nakajima: paragraph [0045]).

26. Regarding claim 19, Nakajima teaches wherein the combination stored in the current authentication unit contains further information in addition (Nakajima: paragraphs [0038 and 0040]).

27. Regarding claim 20, Nakajima teaches wherein the additional data have at least one of the following: a dial-in number into one of the networks, a user name (login) and a password (Nakajima: see Abstract section and paragraph [0046]).

28. Regarding claim 21, Nakajima teaches wherein a call-up number block or a target number block is identified by means of the authentication unit (Nakajima: paragraph [0039]).

29. Regarding claim 22, Nakajima teaches wherein the first and second networks are based on different protocols (Nakajima: paragraph [0028]).

30. Regarding claim 23, Nakajima teaches wherein the first network is the internet, and the second network is a telephone network (Nakajima: see figure 1).

### ***Conclusion***

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31. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. Sveberg et al. discloses "user registration" (US 6400812).
- b. Xu et al. discloses "network access methods, including direct wireless to internet access" (US 6151628).

32. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

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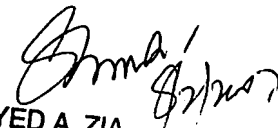
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trang Doan whose telephone number is (571) 272-0740. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Trang Doan  
Examiner  
Art Unit 2131

T.D.

  
SYED A. ZIA  
PRIMARY EXAMINER